I.P. Sharp Associates

APL Keyboard

APL CHARACTERS

¨ diaresis
¯ negative
< less than
≤ less than or equal to
= equal to
≥ greater than or equal to
> greater than
≠ not equal
∨ or
∧ and
− subtraction
+ addition
÷ division
× multiplication, signum
? query, random, roll
∈ epsilon, membership
ρ rho, reshape, shape
~ tilde, not
↑ take
↓ drop
ι iota
○ circular
* asterisk, exponentiation
→ branch
← assignment, specification
⌈ ceiling, maximum
⌊ floor, minimum
_ underbar
∇ del
Δ delta
∘ null
' quote
⎕ output, quad
( ) parentheses
[ ] brackets
⊥ base value, decode
⊤ representation, encode
| abolute value, residue
; semicolon
, catenate, ravel
: colon
. decimal point
\ scan, expansion
/ reduction, compression

OVERSTRIKES

⌽ (○ and |) rotate, reverse
⍟ (○ and *) logarithm
⍉ (○ and \) transpose
⊖ (○ and −) rotate, reverse
⌿ (/ and −) reduction, compression
⍀ (\ and −) scan, expansion
⍱ (∨ and ~) nor
⍲ (∧ and ~) nand
⍭ (⊤ and ∘) thorn
⍪ (⊥ and ∘) hydrant
⍝ (∩ and ∘) comment, lamp
! (. and ') factorial
⍞ (⎕ and ') quote-quad
⍁ (⎕ and ÷) quad divide, domino
⍒ (∇ and |) grade down
⍋ (Δ and |) grade up
$ (S and |) dollar sign
◇ (< and >) diamond
or
◇ (∨ and ∧)
⌶ (⊥ and ⊤) I-beam